IN THE SPECIFICATION

Please amend the first paragraph on page 4 as follows:

Referring first to Fig. 1, a system is shown for applying pulsed RF energy in accordance with one embodiment of the invention. An applicator **703**, to be described in detail below, contains a pair of RF electrodes and cooling system. The applicator **703** is adapted to be applied to the skin of an individual ~~705~~ in the region to be treated. The applicator **703** is connected to a control unit **701** via a cable **702**. The control unit **701** includes a power source **708**. The power source **708** is connected to an RF generator **705** that is connected to the RF electrodes in the applicator **703** via wires in the cable **702**. The control unit **701** contains a cooling system **712** that cools a fluid such as ethanol or water for cooling the applicator ~~706~~**703**. The cooled fluid flows from the cooling system **712** to the applicator via a first tube in the cable **702**, and flows from the applicator **703** back to the refrigeration unit via a second tube in the cable **702**. The control unit **701** has an input system such as a keypad **707** that allows an operator to input selected values of parameters of the treatment, such as the frequency, pulse duration and intensity of the RF energy or the wavelength and intensity of the optical energy. The control unit **701** optionally contains a processor **704** for

monitoring and controlling various functions of the system. For example, the processor **704** may monitor the electrical impedance between the electrodes in the applicator **703**, and determine the temperature distribution in the skin in the vicinity of the applicator **703**. The processor **704** may also determine the parameters of the treatment based upon the impedance measurements.

Please amend the second paragraph on page 4 as follows:

Fig. 2 shows the applicator **703** in detail. The applicator contains a pair of electrodes **401** and **402** that apply RF energy to the skin. The housing and electrodes are cooled by fluid cooled by the cooling system ~~706~~ 712 that flows in a tube **405** between inlet **403** and outlet **404**. The inlet **403** and the outlet **404** are connected to the cooling system ~~706~~ 712 via the first and second tubes in the cable 702.